

**Figure 1**

US 2004/0139000 A1

PEOPLE

14

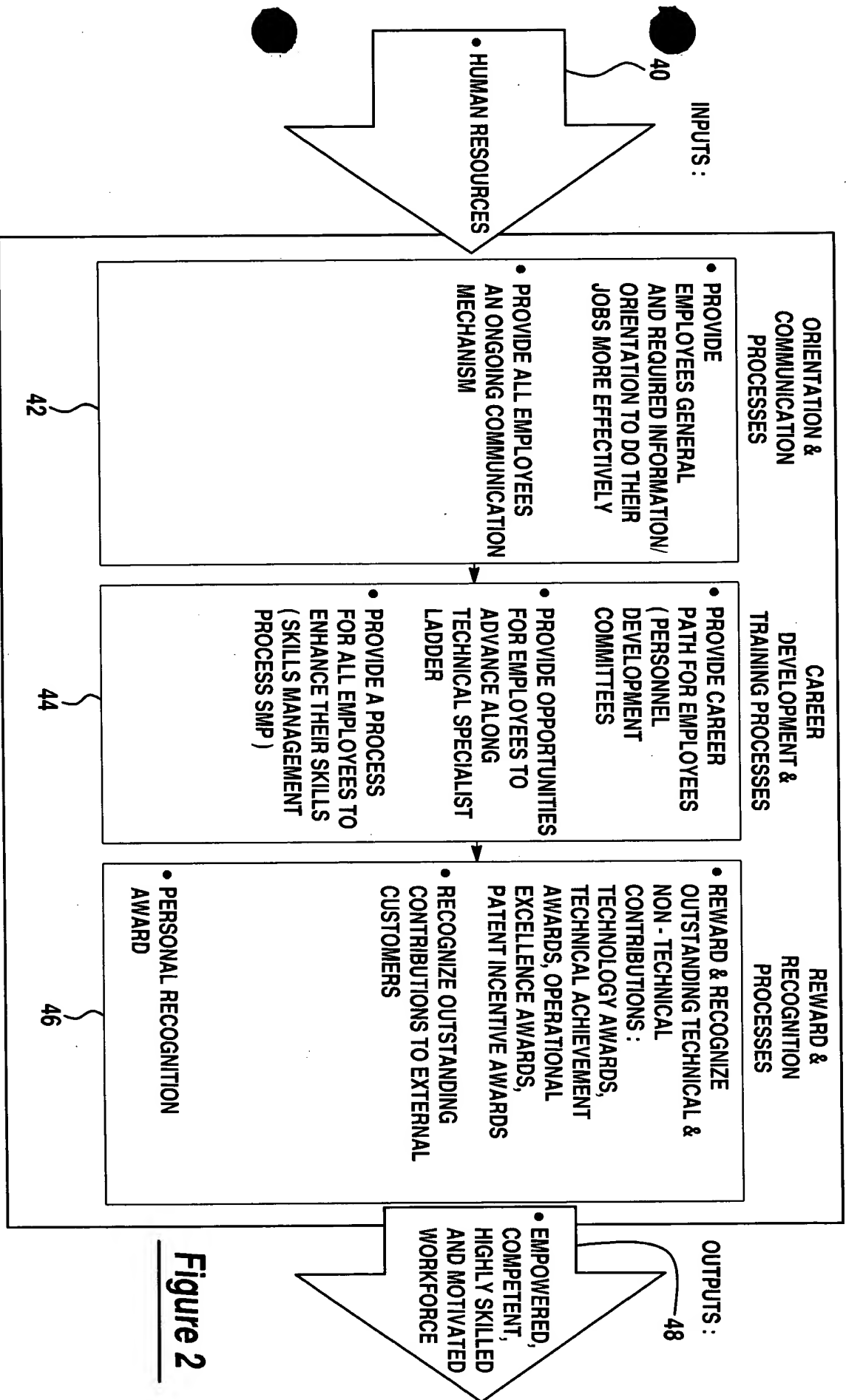


Figure 2

# PROJECTS : CONCEPT PROPOSAL

24

INPUTS :

50

- CUSTOMER NEEDS

REVIEW  
CUSTOMER  
NEEDS

- REVIEW  
CUSTOMER  
NEEDS AND  
SUPPORTING  
MATERIALS
- DETERMINE  
LEAD  
TECHNOLOGY  
GROUP

52

DEVELOP &  
RECEIVE PRELIMINARY  
CONCEPTS

- IDENTIFY BIC,  
STATE OF ART  
TECHNOLOGY
- GENERATE  
ALTERNATIVE  
APPROACHES  
TO ADDRESS  
NEED

54

COMPLETE  
PROJECT  
PROPOSAL

- COMPLETE  
DETAILED  
PROJECT  
PROPOSAL
- IDENTIFY  
REPLICATION  
OPPORTUNITIES
- BEGIN A  
PRELIMINARY  
BENEFITS AND  
COSTS  
ESTIMATE

56

REVIEW  
PROJECT & FORUM  
PROPOSALS

FORUM SPONSORED  
PROJECTS

- PRESENT  
EXECUTIVE  
SUMMARY
- SUBMIT TO FORUM
- NON - FORUM  
SPONSORED PROJECTS
- PRESENT  
EXECUTIVE  
SUMMARY
- SUBMIT TO DIR.

58

- FINALIZE  
PROJECT  
PORTFOLIO

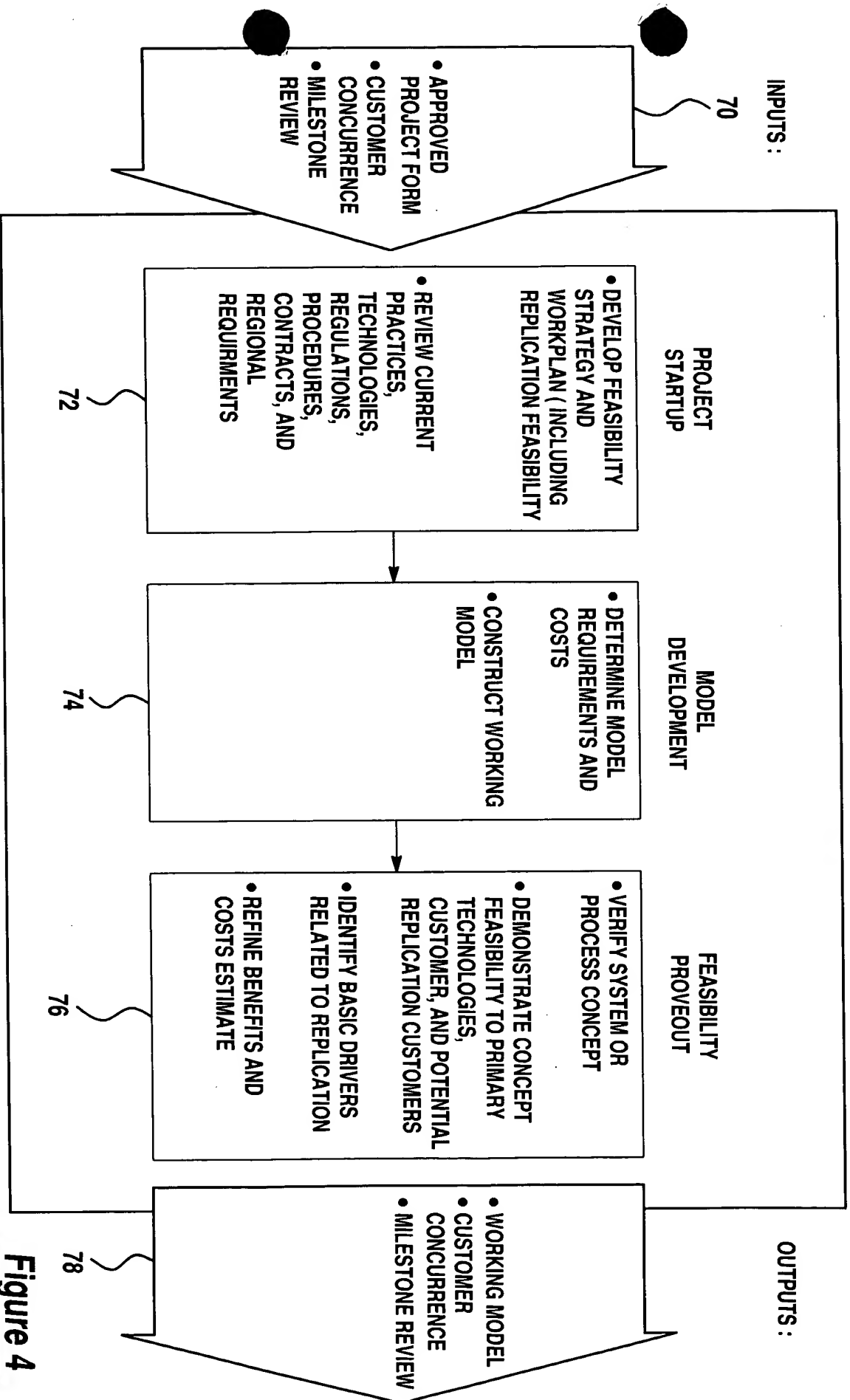
OUTPUTS :

60

- APPROVED  
PROJECT FORM
- CUSTOMER  
CONCURRENCE
- MILESTONE  
REVIEW

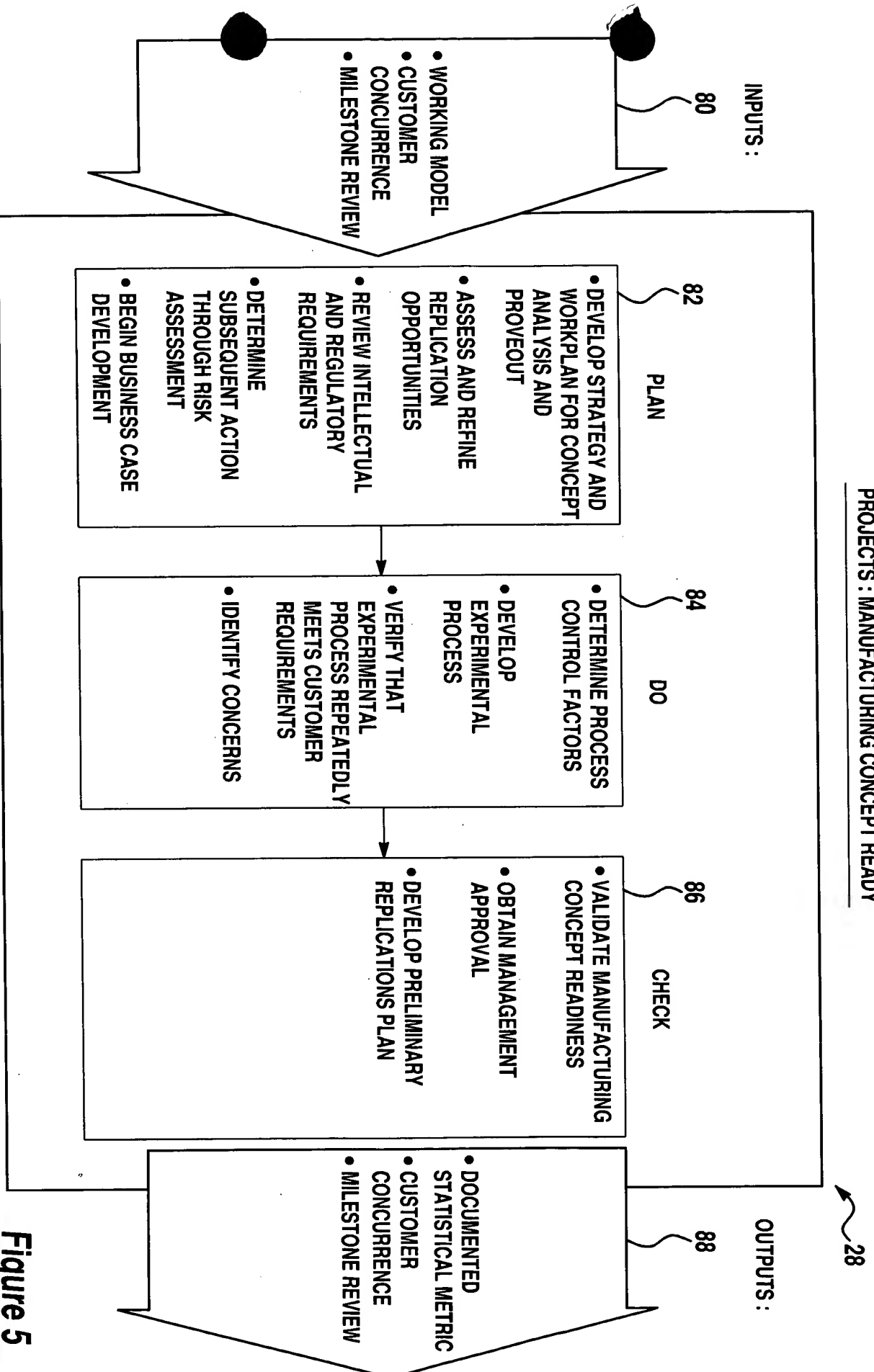
Figure 3

PROJECTS : CONCEPT FEASIBILITY



**Figure 4**

# PROJECTS : MANUFACTURING CONCEPT READY



**Figure 5**

# PROJECTS : MANUFACTURING IMPLEMENTATION READY

30

## INPUTS :

90

- DOCUMENTED STATISTICAL METRIC
- CUSTOMER CONCURRENCE
- MILESTONE REVIEW

## IMPLEMENTATION PLANNING

- CONFIRM STAKEHOLDERS AND IMPLEMENTATION TEAM MEMBERS
- OBTAIN LOCAL PLANT/ENGR. STANDARDS
- COMPLETE PRODUCTION HARDWARE DESIGN
- DEFINE MILESTONE
- DEVELOP INSTALLATION/ LAUNCH WORKPLAN
- REFINE AND DOCUMENT BUSINESS CASE

## PLANT FLOOR IMPLEMENTATION

- CONDUCT PROCESS PROVEOUT
- TECHNOLOGY SIGN - OFF
- HEALTH & SAFETY SIGN OFF ON NEW EQUIPMENT

## ANALYZE IMPLEMENTATION (ASSESSMENT)

- DOCUMENT PROCESS IMPROVEMENTS ( COSTS, TIMING, OBJECTIVE CONFORMANCE
- DOCUMENT THINGS GONE RIGHT/WRONG ( ISSUES DECK )
- ESTABLISH LONG TERM PERFORMANCE SUCH AS CPK, MTBF/MTTR

## OUTPUTS :

104

- DOCUMENTED PILOT OR PLANT TRIAL
- DOCUMENTED STATISTICAL PERFORMANCE
- DOCUMENTED BUSINESS CASE
- REPLICATION PLAN
- CUSTOMER CONCURRENCE
- MILESTONE REVIEW

92

- ESTABLISH REPLICATION TEAM
- DEVELOP A NON SITE SPECIFIC WORKPLAN

94

## REPLICATION PLAN DEVELOPMENT

- DEVELOP DIRECTIONAL ESTIMATE OF RESOURCES REQUIRED FOR REPLICATION

96

- AGREE ON ROLES AND RESPONSIBILITIES BETWEEN OPERATIONS AND AMTD INCLUDING PROJECT CLOSURE REQUIREMENTS

98

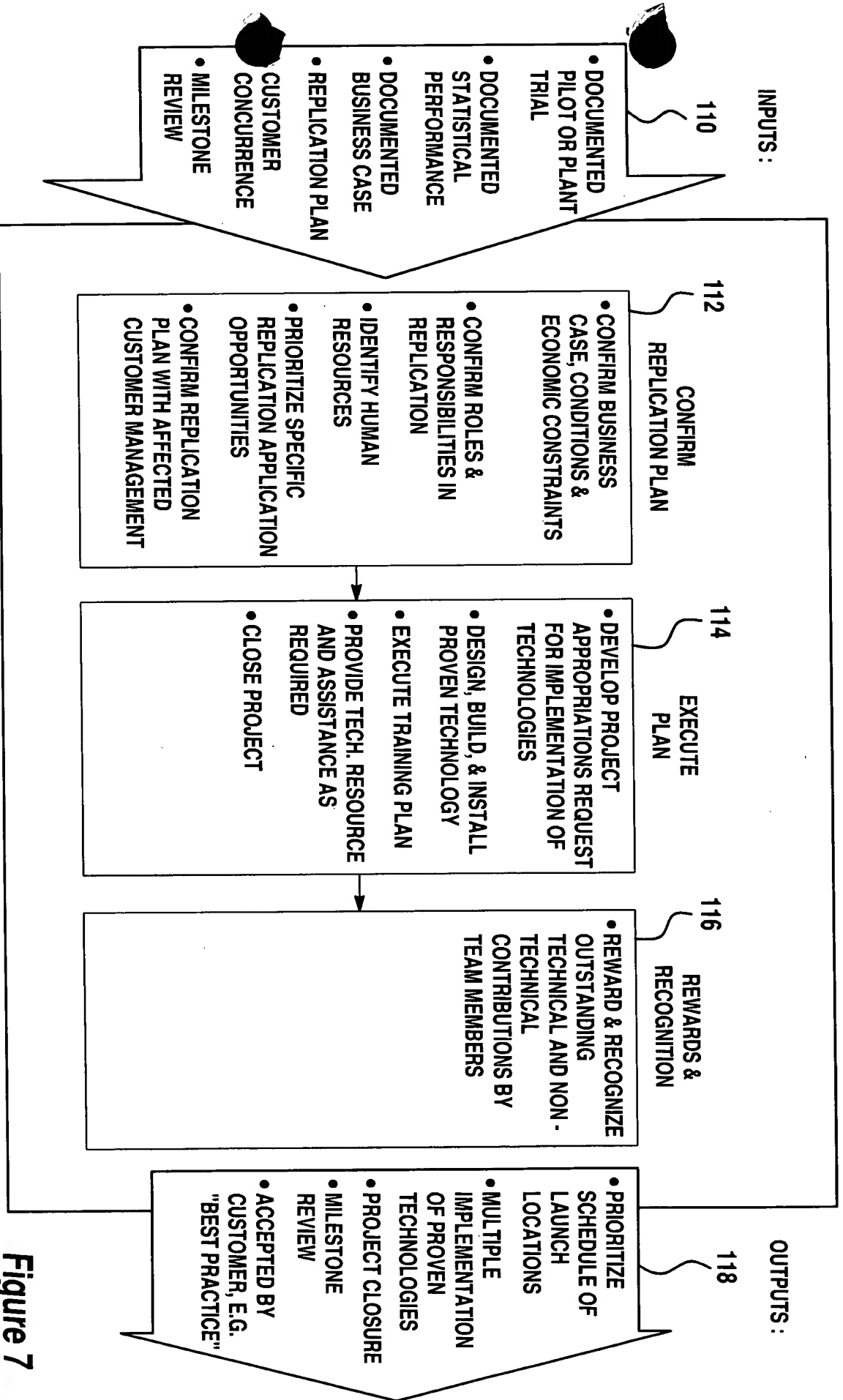
100

102

Figure 6

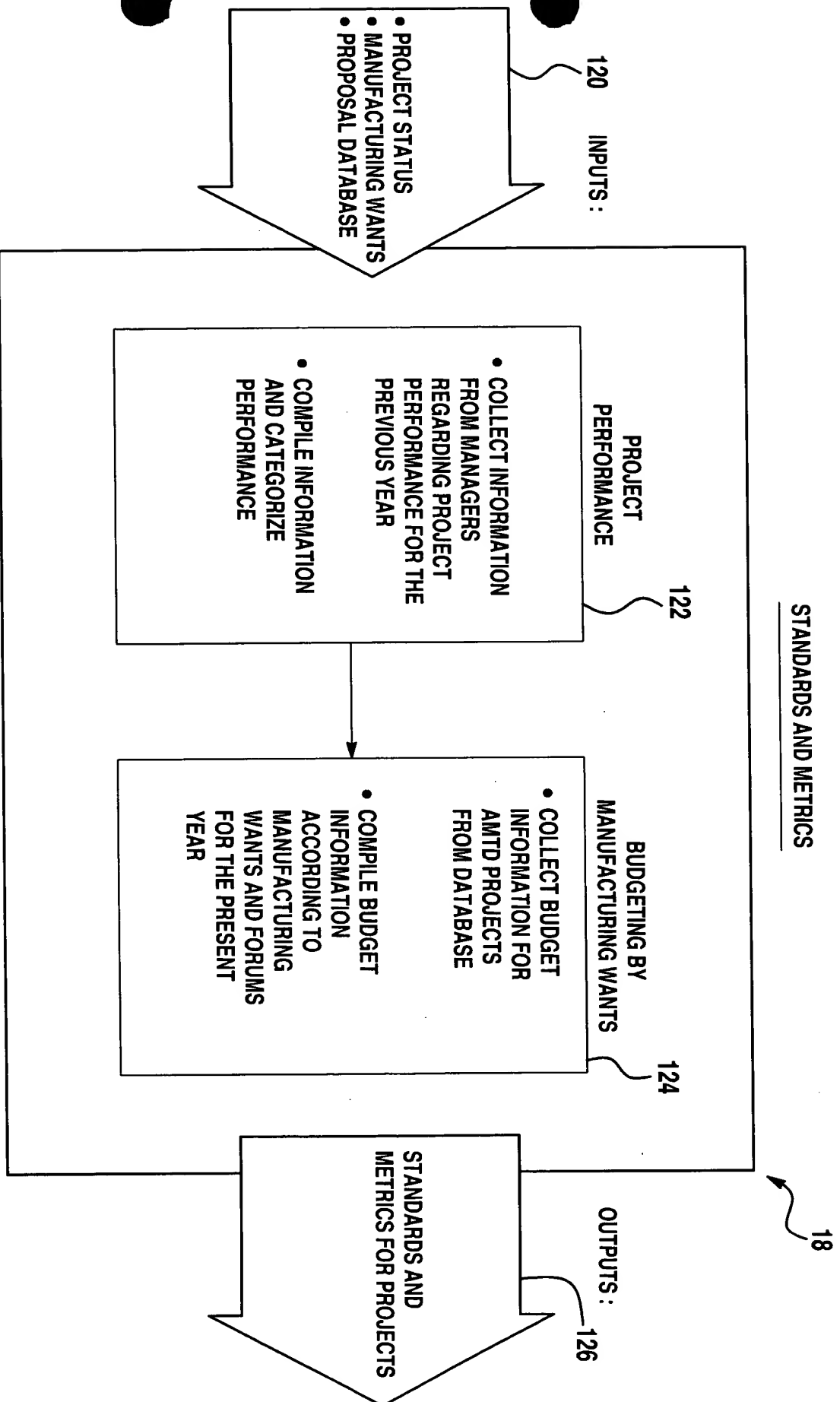
## PROJECTS : REPLICATION

32



**Figure 7**

03343EE3 040300



**Figure 8**

03443237 040300



# MANUFACTURING TECHNOLOGY COUNCIL & FORUMS

20

INPUTS :

130

- CUSTOMER NEEDS/WANTS
- LEADING TECHNOLOGIES
- BENCHMARKING DATA

REVIEW CUSTOMER NEEDS

- ESTABLISH CORPORATE WANTS ALIGNED WITH REGULATIONS/ REQUIREMENTS
- ASSESS LEADING AND BEST-IN-CLASS TECHNOLOGIES

TECHNOLOGY STRATEGY

- PERFORM COMPETITIVE ASSESSMENT
- PRIORITIZE WANTS/NEEDS BASED ON CORPORATE MANUFACTURING TECHNOLOGY STRATEGY
- DEVELOP TIMING MIGRATION OF TECHNOLOGIES IN SUPPORT OF THE TECHNOLOGY STRATEGY
- ESTABLISH FOCUSED LEADERSHIP POSITIONS FOR CORE MFG. TECHNOLOGIES

PROJECT PORTFOLIO

- PRIORITIZE PROPOSED PROJECTS BASED ON THE IDENTIFIED WANTS/NEEDS AND TECHNOLOGY STRATEGY

PROJECT SPONSORSHIP

- IDENTIFY ENABLING FUND CANDIDATE PROJECTS
- SUPPORT PROJECTS TO ACHIEVE IMPLEMENTATION READY STATUS
- PROMOTE PROJECT REPLICATION

OUTPUTS :

140

- FINALIZED FORUM STRATEGY
- FORUM SPONSORSHIP OF PROJECTS
- MANAGEMENT OF PROJECT PORTFOLIO
- MANAGEMENT OF ENABLING FUNDS

Figure 9

132

134

136

138

09543227 040300